

ABSTRACT OF THE DISCLOSURE

A position is obtained from a command movement for a controlled axis. The position of a virtual axis with respect to time and an I/O signal are obtained.

- 5 The position of the controlled axis and the state of the I/O signal are stored in association with the position of the virtual axis, and cam shape data and I/O signal state data are obtained. During an electronic cam operation, the virtual axis position is
- 10 controlled by means of virtual axis control means. Corresponding to the position of the virtual axis, the position of the controlled axis or the I/O signal state is read from the cam shape data and the I/O signal state data and outputted, whereby the controlled axis
- 15 is driven.